

What is claimed is:

[Claim 1] An antenna for receiving or transmitting broadband, high frequency signals comprising a dipole antenna element encased within a dielectric housing, and a conductive sleeve provided over the dielectric housing at the feed point of the dipole antenna element.

[Claim 2] The antenna of claim 1 wherein the dipole element comprises coaxial conductive tubes.

[Claim 3] The antenna of claim 2 wherein the feed point is between the conductive tubes.

[Claim 4] The antenna of claim 1 wherein a dielectric element is disposed between the conductive sleeve and the dielectric housing.

[Claim 5] A multiband antenna incorporating the antenna of claim 1.

[Claim 6] A mobile antenna for mounting to a vehicle, incorporating the antenna of claim 1.

[Claim 7] The antenna of claim 1 wherein the high frequency signals are within a range of 500–2500 MHz.